



THE RARA RAG

Newsletter of The Rochester Amateur Radio Association, Inc.

Founded in 1931

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WELCOME BACK TO THE WORLD OF ARDUINO

SCOTT THEIS, W2LW, RARA VICE PRESIDENT

After our hamfest and picnic, we return to the BSA and on-line for the first of our remaining 2022 RARA meetings.

Join ARRL author and builder Glen Popiel, KW5GP, in an all-new presentation as he introduces and discusses the exciting world of the Arduino microcontroller. Learn just how easy and fun it is to create your own feature-rich Arduino-based projects for your home and ham shack.

Glen has been in ham radio since 1973. He is the author of ARRL's "Arduino for Ham Radio" series, along with "High Speed Multimedia for Amateur Radio".

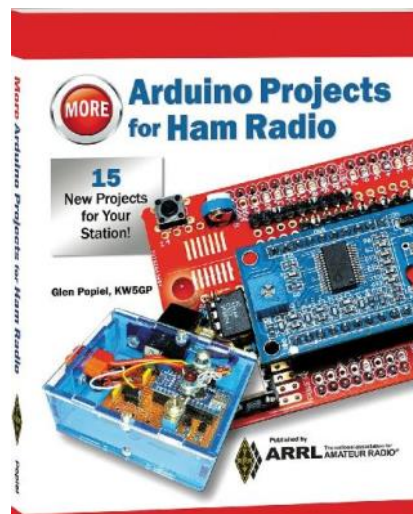
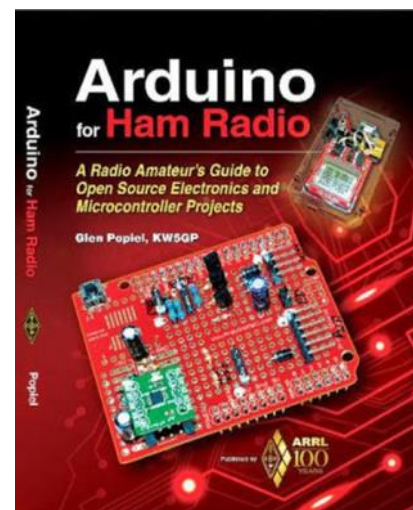
Glen is also a frequent contributor to QST magazine and a co-host on the weekly W5KUB.com webcast. By day, he is a Network Engineer and Technology Consultant for HTC Global and has worked in the computer and electronics field for over 45 years.

For this meeting, our local club business will be in person. You can participate online or in person. Our feature presentation will be online and interactive.

In person attendees will be able to participate in the raffle, as well as treats and the swap table.

Please join us on Wednesday, August 3RD, 2022, 7:00PM at the Boy Scouts Headquarters at 2320 Brighton Henrietta Townline Road, Rochester, New York 14623 or online by registering at:

<https://attendee.gotowebinar.com/register/6087229947811886606>



RARA



YouTube

K2JD

N2EH

W2EOC

BOARDZ BUZZ

SCOTT THEIS, W2LW, VICE PRESIDENT

Riding the Winds of Change

Month to month we move along as a club as we have for some 91 years. We have all watched the trends and developments in technology through our lifetimes. For me, as a kid, I was trying to get my hands on anything electronic to explore. In the late 60s, discarded electronics were dominated by five-tube superhet radios and 1950's B&W TV sets. I remember trying to understand how transistors worked, whereas tubes – for whatever reason – seemed intuitive. Later, as portable transistor radios became available as play toys, solid state technology came into focus. It was amazing how quickly a young mind can move from tube circuits to building logic circuits with then-new '7400 series logic. Then into analog, where the little 'black box' (chip) holds an operational amplifier or a sophisticated edge triggered timer. Now we can buy a software defined radio on a chip.



The image in the top right is the basic 6BA7, one of a couple dozen miniature 7- and 9-pin tubes containing one or two simple diodes, triodes, pentodes and, in this case, a heptode used as an RF mixer, all introduced in the 1940s. The image to the left is the venerable 741 op-amp, containing 20 transistors and introduced in late 1960s, and is still in use today. Finally, to the bottom left, the current state-of-the-art, a KIWI SDR, 30-KHz to 30Mhz in multiple modes with millions of transistors.

I imagine from the perspective of today's generation getting started in electronics, things look a lot different. I wore the pages bare of the three books in the middle school library on electronics. Only one had practical real-world radio circuits to build. The world got a lot bigger when my father took me to the Minneapolis public library where there were a lot more on books on electronics and this thing called 'Sam's Photo-facts'. No more hand drawing schematics (at least for some devices). Then there was the crème de la crème: the ARRL Handbook.



Today, there is an overwhelming amount of information, parts, kits, and opportunities to explore, discover, learn, build, and share. We have gone from "hard to find stuff to do" to "too much to do!"



View from the Vice President

Back to month to month. As the board meets, we listen to reports from various departments, discuss old business, new business, long term projects, and of course stalled projects. But through the mundane process lies two important threads: education and public service. I would like to point out a few people that contribute mightily to the club.

First, Karl Heinz Kremer (K5KHK) for taking the reins of education. I think Tim Brown (WB2PAY) set a high standard for the events, license classes and general education. Karl Heinz has met this challenge superbly. This has been a big help to provide education during all our lockdowns and self-quarantines. Second is Mike Moore (KC2NM). I am sure it has been hard watching all the public service activities of RARA get put on ice, but for 2022 Mike has picked up the pieces. Check out the [Public Service page](#) and sign-up for one of the coming 2022 activities.

Next is Tim Guyot (K2POP), past president and hamfest producer. Tim has led many projects in the last few years. And finally, Tim Barrett (K9VB), current president and who has the sometimes-daunting task of Membership Secretary. There are many others who make this club work and who also wear many hats.

Add Your Perspective

If you're 15 or 20 years old today with electronics as a hobby or perhaps a career, what might things look like after 40 years?

If you are a young newly minted ham — and probably new to RARA, won't you consider leaving your mark by bringing your perspective experience with today's cutting-edge technology? PS: The RARA Academy needs presenters!

CALENDAR OF EVENTS

WEDNESDAY AUGUST 3, 2022 - General Meeting In Person and On-Line
7:00 PM - AT THIS LINK

<https://attendee.gotowebinar.com/register/6087229947811886606>

THURSDAY AUGUST 4, 2022 - RARA Board of Directors Meeting
6:30PM ON LINE

Email request for link to secretary@rochesterham.org

Membership – Time to Renew!

- RAG Circulation ~5,000
- RARA Membership ~550
- RARA is the 6th largest ARRL affiliated club
- **Let's make it the largest!!**
- Renew or join [here](#)
- If you have a problem renewing, please email us at:
membership@rochesterham.org



**Annual Memberships Expire
September 30th**



EDUCATION

Karl Heinz Kremer, K5KHK, Education Coordinator

RARA LICENSE COURSES

Karl Heinz Kremer, K5KHK, License Class Coordinator

Our next license classes will start in September. We will offer a Technician (starting on 9/13) and a General (starting on 9/15) license class. Both classes will be online via Zoom. If you are interested in taking a class in the fall, please send an email to education@rochesterham.org, and we will put you on the list.

New Technician Question Pool

As I've mentioned before, since July 1st, all Technician license exams are now using the new question pool.

License Manuals

Even though we are not teaching any classes over the summer, we still have the license manuals available if you want to study on your own. The current editions of the General and Amateur Extra license manuals are available to our members at a discount for \$25, and we now have the new edition of the Technician license manual also available to members at a discount of \$25. If you are interested, please send an email to education@rochesterham.org

I usually have some license manuals with me at official RARA events (e.g. the monthly meetings).

RARA ACADEMY

We have some exciting news: Our RARA Academy sessions are back. One of our favorite topics for both RARA Academy and Elmers' Corner are antennas. A

great way to understand antennas is to simulate them. We will offer a four-session hands-on class about antenna modelling with the 4NEC2 antenna modeler and optimizer software. Mike Sanchez KM2B will teach these topics:

- Building 20m HF Dipole in 4NEC2 and analyzing results
- Introduction to using Variables and their power in 4NEC2
- Introduction to Optimization using Variables and their power in 4NEC2
- Building an HF 20m quarter wave antenna elevated antenna with four elevated radials.

All sessions will be held online, using Zoom. More details will be published once they become available. If you want a head start, you can download 4NEC2 here: <https://www.qsl.net/4nec2/>

The four sessions will be on 10/8, 11/12, 12/10 and 01/14 at 10am via Zoom. If you are interested in attending, please register via an email to education@rochesterham.org

We are still looking for input in what our next Academy session should cover. To make it easy for our members to provide such input, we created an online survey. Please go to <http://tiny.cc/RaRaAcademySurvey2022> and fill out the survey. If this short link should not work, you can also use this link:

https://docs.google.com/forms/d/e/1FAIpQLSfe_RvJyAfc2BidWxePLvK1r_CjQosS1PV0Ua6m2zETiyPa-w/viewform

We are again looking for a volunteer to organize our RARA Academy sessions. Kevin just started a new job which understandably shifts his priorities. If you are interested, please let us know.

RARA ELMERS' CORNER

Suzanne Bishopp, W2SUZ

Rich Bishopp, KD2UBJ

Elmers Corner Coordinators

Happy August everyone! Rich and I are enjoying camping and playing radio in the parks this summer. We hope each and everyone of you are enjoying your summer as well.

The Elmers' Corner returns in September and we can't wait to see you there. Zoom is easy and available for everyone. Grab a cup of coffee (or what ever you like) and join us. We talk about everything and anything radio related. Bring your questions, your tips and tricks, or just come and join in the conversation.

The Elmers' Corner happens the 1st Saturday of every month, September – May, 10am-12pm. But if you have a question or need help before then, just let us know. Reach out to us at any time at elmerscorner@rochesterham.org, we will do our best to find the right Elmer to answer your question.

September ELMERS' CORNER

1st Saturday of the month
September 3, 10AM – 12PM

Join Zoom Meeting

[https://us02web.zoom.us/j/83484674667?](https://us02web.zoom.us/j/83484674667?pwd=MG5DZXd6SFovN3lXa0NNTzM5UnBLUT09)

[pwd=MG5DZXd6SFovN3lXa0NNTzM5UnBLUT09](https://us02web.zoom.us/j/83484674667?pwd=MG5DZXd6SFovN3lXa0NNTzM5UnBLUT09)

Meeting ID: 834 8467 4667

Passcode: 786545

One tap mobile

+16465588656,,83484674667#,,,,*786545# US (New York)

+13126266799,,83484674667#,,,,*786545# US (Chicago)

Dial by your location

+1 646 558 8656 US (New York)

+1 312 626 6799 US (Chicago)

+1 301 715 8592 US (Washington DC)

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

+1 669 900 9128 US (San Jose)

Find your local number: <https://us02web.zoom.us/u/kiOoVkCMY>

MORSE CODE TRAINING

DAVE WILSON, WA2HOY, RXCWG COORDINATOR

The RXCW Group assists Hams wanting to learn Morse Code or to develop their CW skills.

BEGINNERS MORSE CODE ZOOM CLASSES

Peter Fournia, W2SKY, hosts Morse Code classes on Thursday evenings 7pm. No experience required.

Join the group at any session.

Register at: pfournia@gmail.com

MORSE PRACTICE FOR ALL LEVELS ON ZOOM

Tim Brown, WB2PAY, hosts code practice for all levels on Thursday evenings at 7:30pm.

Register at: tjbrown@rochester.rr.com

Those wanting to start into CW QSOs and Morse Code can schedule coaching sessions on Zoom. Contact Peter Fournia, W2SKY for further details.

W1AW - <http://www.arrl.org/w1aw-operating-schedule>

W1AW On The Air CW Practice

Time	Mon	Tue	Wed	Thu	Fri
9 AM		Fast	Slow	Fast	Slow
4 PM	Fast	Slow	Fast	Slow	Fast
7 PM	Slow	Fast	Slow	Fast	Slow
10 PM	Fast	Slow	Fast	Slow	Fast

SLOW - 5, 7 1/2, 10, 13 and 15 wpm

FAST - 35, 30, 25, 20, 15, 13 and 10 wpm

FREQ(MHz) - 1.8025, 3.5815, 7.0475, 14.0475, 18.0975, 21.0675, 28.0675, 50.350, 147.555

RADIO ELMERS

Name	Call	Area	Email
Tim Brown	WB2PAY	Ogden	tjbrown@rochester.rr.com
Dave Carlson	N2OA	Batavia	kdcarlso@gmail.com
Lawrence Hill	N2AJX	Henrietta	lawrence.hill@rit.edu
Rich Hoffarth	K2AXP		rhoffarth2000@yahoo.com
Bill Kasperkoski	WB2SXY	Pittsford	wb2sxy@gmail.com
Don Kiser	AC2EV	N Greece	dkiser100@gmail.com
Karl Heinz Kremer	K5KHK	Chili	k5khk@khk.net
Tim Magee	WB2KAO	Greece	585-704-5747
Mike Moore	KC2NM		mikemoore@ieee.org
Peter Schuch	WB2UAQ	Perinton	pschuch@rochester.rr.com
Forest Shick	WA2MZG	Webster	fshick3@gmail.com
Dave Timmons	W2DST	N Greece	dstimmons@gmail.com
Steve Verzulli	KA1CNF		verzulli@yahoo.com
Dan Waterstraat	W2DEW	Henrietta	higreen@rochester.rr.com

CW ELMERS

Name	Call	Area	Email
Ned Asam	W2NED	Pittsford	w2ned@frontiernet.net
Tim Brown	WB2PAY	Ogden	tjbrown@rochester.rr.com
Pete Fournia	W2SKY	Penfield	pfournia@gmail.com
Bill Hopkins	AA2YV	Brighton	whopkin4@naz.edu
Bob Karz	K2OID	Webster	rkarz@rochester.rr.com
Joe Rowe	AG2Y	Webster	ag2y@rochester.rr.com
Harry Williams	KF2TV	Kingsland, GA	harryw7872@gmail.com

PROFESSOR'S PIC(k)s

JEFF SONSTEIN, WA2RRB

[Radio Station WLW in Ohio](#)

[Joke Phone Project](#)

[Do You Remember CPM](#)

[JS8CHESS](#)

[Megamaser](#)

ROCHESTER BEACON ARTICLE

From interviews at our hamfest

<https://rochesterbeacon.com/2022/07/08/amateur-radio-group-holds-90th-hamfest/>

AUGUST RAFFLE PRIZES

- 3 Pilsner Glasses
- Ham Radio Deluxe Software Gift Certificate
 - Broadcast Band FM Radio Kit
 - Heil Ham Radio Handbook
 - Heil Sound T Shirt (XL or XXL)

Coming in September

- N3FPJ Software Gift Certificate



Reprinted Courtesy January 1934 QST

PUBLIC SERVICE REPORT

MIKE MOORE, KC2NM, PUBLIC SERVICE COORDINATOR

On Saturday, Aug. 13, 2022 we are participating in the [Bike MS: ROC the Great Lakes 2022](#) in partnership with the [Orleans County Amateur Radio Club](#). Bike MS is the largest fundraising cycling series in the world. Each year, nearly 75,000 cyclists and more than 6,000 teams ride together to change the world for people with MS. RARA participated in this successful event last year as a result of our history with the MS Rides in Genesee County Park and the Finger Lakes Ride from Geneva. These rides have been replaced with the Great Lakes Ride. Because this ride is located in Orleans and Niagara Counties we are working with OCARC to run this ride in the future. The ride course begins and ends at Lakeside Beach State Park and there are ride lengths of 16, 30, and 63 miles that extend west from the park, along the Lake Ontario shoreline as far west as Olcott, NY.

We will set up the command post beginning at 6:30 with the first riders leaving at 7:30. The next rides will leave at 9:00 and 10:00 AM. So, many assignments will start after those times. The following are registered to participate on the communications team K1EM, K2EYS, K4GWA, KC2NM, KD2IOB, KD2KOS, N2IUO, N5BNO, NR2C, W2SKY. The MS Society will provide a "to go" breakfast and there will be a food truck for lunch. Please consider joining us as a SAG support, sweep, rest stop or command center communicator. The route is depicted following:



On Saturday September 24, 2022 RARA will provide course safety communications for the Fairport Liftbridge Regatta. This event will be held 0630-1500 Hrs. at Fairport Crew Club boathouse off of Route 31F in Fairport, NY. GPS Coordinates are 43.099007, -77.456583 Google Map/Directions: <https://goo.gl/maps/FVeNY>. The current team includes AD2DB, AF2M, K4GWA, KC2KYB, KC2NM, KC2UES, KD2IOB, and Cindy M.

Communications for the regatta will be conducted on the W2ARM repeater, 146.61, - .600 offset, and 110.9 tone. Ham volunteers will be meeting at 6:30 a.m. Saturday at the Fairport Crew Club boathouse. If you get lost on your way to the Command Post, call the Team Captain, Mark, KC2UES for directions and talk-in specifics. Your name

will be on a list to be admitted to preferred parking. Once you are parked, please walk to the registration desk and check in, then proceed to the Command Center. Lunch will be provided. If you have any questions, contact the Lift Bridge Regatta Captain Mark Pedersen, KC2UES at mpeder21@gmail.com or (585) 469-1084. This event is a great family activity involving many high school aged youth. Thanks, and see you on Saturday Sept. 24th!



Remaining events in the 2022 public service calendar are listed in the following table. Visit https://rochesterham.org/public_service.htm for more information and to volunteer.

Operating Events

Event	Location	Day	Date
ILLW	Charlotte-Genesee Lighthouse	Saturday, Sunday	Aug. 20, 21, 2022
JOTA	TBD	Saturday, Sunday	October 15-17, 2021

Please mark your calendars for our upcoming RARA Public Service Events

Event	Location	Day	Date
MS ROC the Ride (OCARC)	Lakeside State Park	Saturday	August 13, 2022
Fairport Lift Bridge Regatta	Canal, Fairport	Saturday	September 24, 2022
Pumpkin Patrol	Bridges of NYS Thruway	Sunday, Monday	Oct. 30, 31, 2022
Holiday Science and Technology Days	Rochester Museum and Science Center	TBD	TBD

RARA SUMMER PICNIC

MIKE MOORE, KC2NM

Our July meeting was the Annual RARA Summer Picnic. The weather was beautiful and we enjoyed each other's company and the chance to do some outdoor operating! We had a good turnout of 33 at the Devil's Bathtub Shelter in Mendon Ponds Park.



We returned to providing food and drinks for the picnic this year. Hamburgers, red and white hots were served with a selection of potato chips, soft drinks and desserts. We cooked on the charcoal grills provided with the shelter. The ice cream sandwiches were very much enjoyed on this mid-80s degree day.



Devils Bathtub shelter is not equipped with AC power so all of the radios were operated using 12 volt batteries. 4 separate operating positions were set up

using club and member provided radios and a variety of antennas. Karl Heinz Kremer K5KHK had his station set up first and made two CW contacts with his Elecraft. Karl Heinz then pivoted from operating to a discussion about antenna tuners and he then held a field Elmer session about the operation and use of tuners. This weekend coincided with the POTA Annual Support Your Parks Plaque Event. This event encourages individuals to get out in the parks and make contacts. During the summer event, one of the program administrators volunteers to coordinate the sponsorship and give-away of plaques based on the results of the activity. Mike Kennerknecht, N2MAK was making POTA contacts and logged 15-20 stations, mostly in the Northeast.



Following dessert we held a drawing for two door prizes. The lucky winners were awarded \$100 gift card for Alpha Antenna and an \$25 gift card from ARRL.

Folks stayed around for a while after the food was gone. They were just enjoying each other's company and the opportunity to share an old fashioned eyeball QSO.





Pictures provided by Mike Moore, KC2NM and Dave Wilson, WA2HOY

AUXCOMM TRAINING COURSE OFFERED BY NEW YORK STATE

MIKE MOORE, KC2NM

Jim Herbst, KC2KNJ is spreading the word about an upcoming class that New York State is offering called AuxComm. Auxiliary Communications (AuxComm) is a term used to describe the many organizations and personnel that provide various types of communications support to emergency management, public safety, and other government agencies. You may have seen this mentioned already in ARES communications.

The AuxComm training course is designed for auxiliary emergency communicators who volunteer to provide back-up emergency radio communication support to public safety and emergency response professionals and their agencies. The public safety community often relies on the Amateur Radio service for communications support for situations such as sporting events and festivals or when telecommunication systems have collapsed or been severely disrupted during a natural or man-made disaster.

Locally, we provide primary communications for the events that we support such as Tour de Cure, MS Ride, and Pumpkin Patrol. Much of the available training materials are provided as documents and videos from Cybersecurity and Infrastructure Security Agency (CISA), a United States federal agency under The Department of Homeland Security (DHS).

This class will be held in the Albany area on August 23, 2022 to August 25, 2022 at the NYS State Preparedness Training Center and the cost for lodging is covered by New York State. Applicants should have some background with emergency communications and operations. The advantage of mastering this material as part of a course like this is that it should include more "hands on" work than could be provided by a document or video. Please refer to the brochure that is attached (or linked) to this month's RARA Rag or contact Jim Herbst, KC2KNJ if you have specific questions. Jim is one of the class instructors and his email address is RadioCenter91@outlook.com.

Silent Key

Bill Kurrasch
K2WEK
July 5, 2022

2022 INTERNATIONAL LIGHTHOUSE LIGHTSHIP WEEKEND

DAVE TIMMONS, W2DST

America's oldest surviving lighthouse on Lake Ontario is celebrating its bicentennial this year and the RARA is joining the party! International Lighthouse Lightship Weekend (ILLW) on August 20 & 21 at the Charlotte-Genesee Lighthouse is one of many events scheduled during this year's honoring of a Rochester treasure.

2022 is the 25th anniversary of ILLW, a two-day event for hams of all experience levels to setup stations at lighthouses and lightships around the world. In addition to logging QSOs with other ILLW stations and lighthouse hunters, it is a great way to introduce amateur radio to lighthouse visitors.

Please join us to operate special event station K2R and spread the word about our hobby. Elmers will be available for new HAMs. If you have a radio you want to try, bring it along. We will have antennas available.

Location: Charlotte-Genesee Lighthouse, 70 Lighthouse St. (behind Holy Cross church on Lake Ave.)

Setup: Friday, August 19, 3-5 p.m.

Operating: Saturday, August 20 and Sunday, August 21, 11 a.m. to 5 p.m.

Help is needed with setup, operating and take down. Please contact Dave Timmons at w2dst@arri.net.

Additional information: <https://illw.net/> and <https://geneseeighthouse.org/>



Photo: Mike Kennerknecht, N2MAK, operating with his son Jake at ILLW Weekend last year

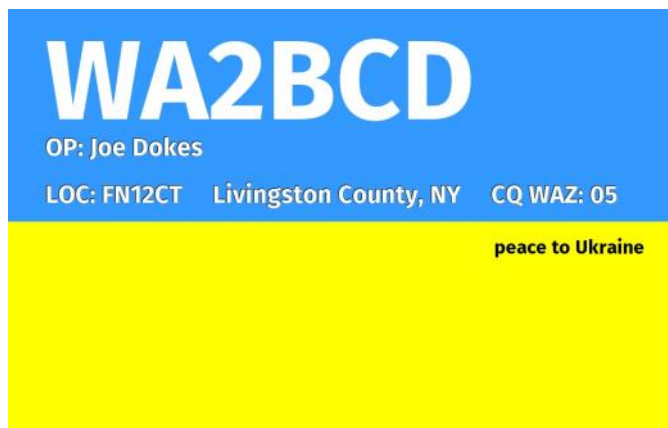
AN eQSL CARD TO PROMOTE PEACE TO UKRAINE

JOHN VIGGIANO, NV2K

I'd like to do something to promote peace in Ukraine. While I get a tiny rush when I shun a Russian op on the bands, I wanted to do something almost as simple that would carry the message less passive-aggressively. So I changed my QSL card design at eqsl.cc to the colors of the Ukraine flag, sparse station information, and the simple message "peace to Ukraine." The lower half is nearly all yellow background because eQSL puts QSO information there.

This is, admittedly, a tiny gesture—microscopic, even. I thought it would be nice if others did likewise. Maybe a hundred microscopic gestures might add up to something almost visible. But eQSL accepts cards in any image format you can imagine, as long as it's JPEG, and in a wide range of sizes, as long as that size is 528 pixels wide by 336 pixels high. "Pita" is a type of bread, but "PITA" is an acronym that describes these restrictions. Why can't they make it easy? Then, I thought, why not share it, so it can be easy? So I made it into a web app that handles the eQSL size and format requirements for you, making the process relatively painless.

Here's a sample of the card this app generates:



To make your own "Peace to Ukraine" QSL card for eQSL, start at <https://people.rit.edu/jasvppr/PeaceToUkraine/>. Put in your call sign, including a portable or mobile designator if you need a card that has one.

You can put in full name or just your first name or nickname, your choice. Enter your 4- or 6-character locator. It should be on your page at www.qrz.com; you need it for eQSL, anyway. Default is the 4-character locator "FN13," which is the locator for Rochester, NY. Change it, if necessary, or add the fifth and sixth

characters, if you'd like.

Enter your county and state; county hunters like this information. The default values "Monroe" and "NY," respectively, should work for many RARA members. Otherwise, they're easy to change. Enter your CQ zone. This is "5" for the US East Coast and this is the default value. Again, your page on qrz.com should have your CQ zone if your address is up to date.

Enter the answer to the challenge question. The questions are ones any ham should be able to answer in their sleep, so don't worry. If it says "Numerical," enter only digits – no spaces, no letters, no apostrophes, just digits. Otherwise, No Soup For You!

Finally, click on "View Card" and download your image (right-click or control-click on the image), rename it with the ".jpg" extension, and it will be ready for upload to eQSL.cc.

To upload and use your card on eqsl.cc:

Note: eQSL.cc does not keep copies of your old card designs, so you must retain a copy of your existing design for when you want to switch back. Make sure you have a copy of your existing design before uploading this new design. I assume no responsibility if you want to switch back to your current design and can't because you don't have a copy. Be certain before you upload.

Also note that it may require a paid subscription on eQSL.cc to use a custom design such as this one. If you don't already have a paid subscription, I think I'd rather see you hang on to your money than subscribe simply to use this card design.

If you only have one eQSL account, skip to the next step. Otherwise, make sure you're logged in to the one whose card you want to change (click on "Profile" to visit your account profile page, then click on "My Accounts"). Most users won't need to worry about this.

Visit <https://www.eqsl.cc/qslcard/ChooseCardStyle.cfm> and select "Style 3" if it isn't already selected (Figure 1).

Click on "Step 2 - Upload Card Image" near the top of the page, as shown in Figure 2, and, once there, select your card image (Figure 3) and click "Upload Now" (Figure 4).

While the app is not yet capable of making an image suitable for a print card, I may be convinced to do this if there is sufficient demand.

It takes a lot longer to read this than it does to actually create and upload your new card design. Be the first on your block to promote "Peace to Ukraine" though their QSL card design on eQSL!

The author thanks Larry McElhiney for beta-testing the site.

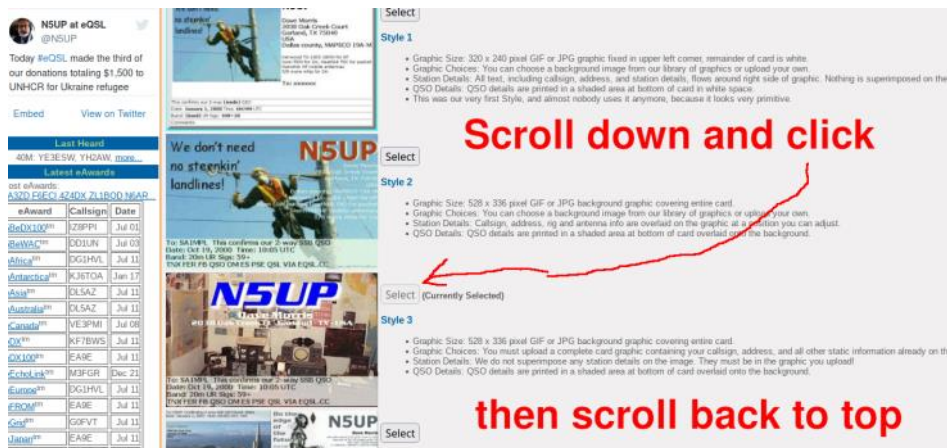


Figure 1. Select "Style 3" if you don't already have it selected

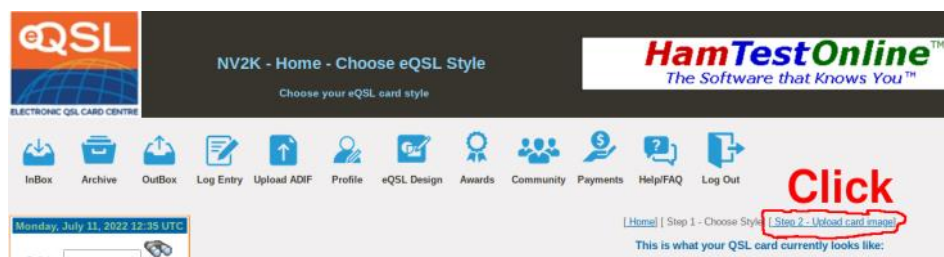


Figure 2. Click on "Upload Card Image"

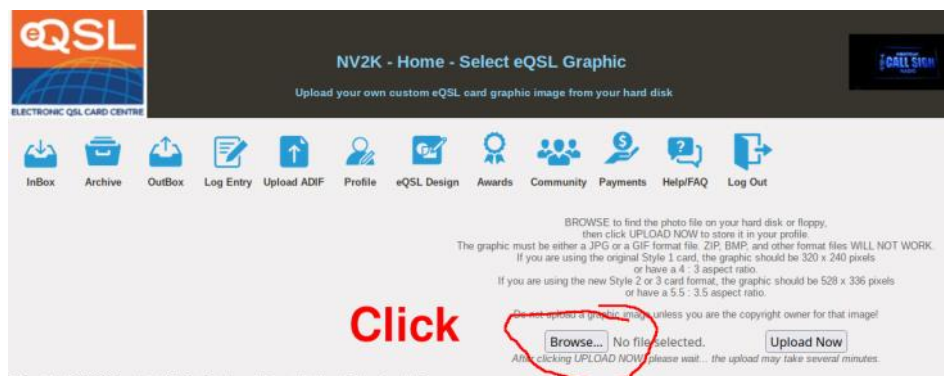


Figure 3. Click "Browse..."

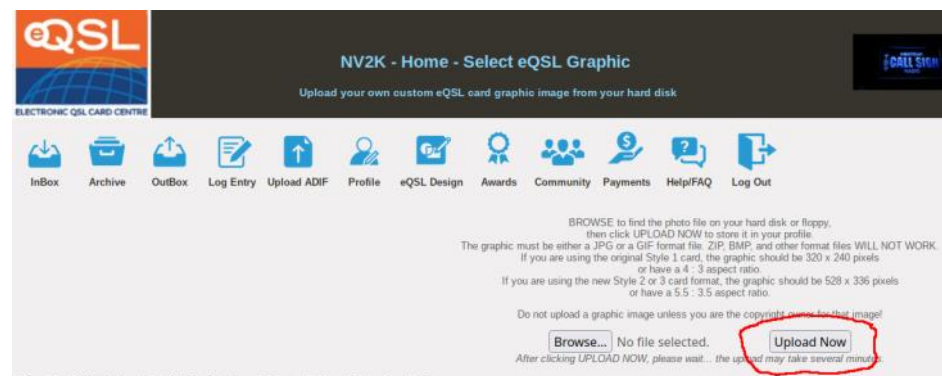


Figure 4. Click "Upload Now"

VHF SPECIAL EVENT

JARRED JACKSON, KF2MR

The Rochester VHF Group is activating a special event station for the Roc City Hamfest on August 27th and invites all attendees to join in. Visit our station and learn firsthand how SSB, CW, and Digital modes are used on the VHF bands. Our "Activation Mentors" will be there to explain how everything works and guide you through making VHF contacts well beyond line of sight, without the use of repeaters. After your visit and successful contacts with the special event station, you will receive a commemorative QSL certificate in the mail.



In addition to operating the VHF station, you will be able to see what a simple mobile contest station looks like, get hands on with an IC-705 QRP radio, and find out how to have fun with VHF, UHF, and Microwave contesting.

We look forward to seeing you on August 27th at the Roc City Hamfest.

WORKING SPLIT – OR WHY DO THEY KEEP ON YELLING “UP” AT ME?

KARL HEINZ KREMER – K5KHK

The first week of July is always the “13 Colonies” operating event (it’s not a contest, which is the reason why you can find these stations on the WARC bands as well). You can find more information about the event in the last edition of the Rag.

Most stations operate on different bands and different modes throughout the duration of the event, so it is easy to get them. One of the bonus stations does however not fall into that category: The British GB13COL special event station was operating only occasionally, and only a few times in CW. This means that the pileups were enormous. The British operator decided to work “split” and added the “UP” at the end of his CQ calls. Even though to those of us who’ve been working DX stations (as you may remember from studying for the Technician license test, “DX” in this context means a station from a different country) successfully for a while, this is obvious, but to a newcomer to the hobby, or in this case the mode, this may not be the case. I heard a station trying to call the DX station on the DX station’s transmit frequency, and others replied with “UP UP” (with the occasional “LID” thrown in – “LID” is ham speak for a poor operator). In addition to this, the US station also tried to get the attention of the DX station by doing a formal reply in the form of “GB13COL GB13COL DE XXNXXX XXNXXX K”, and therefore interfering with the DX station for a considerable amount of time – repeatedly.

In the following paragraphs, I will try to explain what “split” means, how one does operate “split”, and this is important.

Let’s first address the meaning of “split”: When we operate normally, the two stations involved in a QSO will use the same (or almost the same) frequency to transmit and listen on. Sometimes we use the “clarifier” or “RIT” (Receiver Incremental Tuning) functions of our radios to “nudge” the receiver frequency a little bit up or down to correct for a e.g. a drifting station, but in that case, the two frequencies are still very similar. When we operate in “split” mode, the transmit and receive frequencies are considerably different: In CW mode, we usually transmit with an offset of 1 to 5kHz from the frequency we listen on. Most radios have a way to adjust this offset. The radios I am familiar with will let us use one VFO for the receive frequency, and the 2nd VFO for the transmit frequency, and when split mode is active, the radio will automatically switch between those two VFOs. If a radio does not support split mode directly, the RIT function (or XIT – or Transmitter Incremental Tuning - if available) can be used to get the same results.

As to the “why”, when you listen to the cacophony of 100 hams transmitting on or around the same frequency at the same time, it is impossible to make out anything. And, if that frequency also happens to be the frequency the DX station transmits on, it will also be impossible to hear when the DX station is calling CQ – because those trying to log this DX entity will very likely repeat their call signs in random intervals. Because of that, the DX station will call “UP” and then will listen on frequencies that are a few kHz up from the DX station’s TX frequency. By how much we don’t know exactly, so this adds a bit of chance to the game. The DX station will usually scan the band segment “up” from the TX frequency for calls, and will then call that one station, work the station and call CQ again. On a DX cluster (e.g. <http://>

DXSummit.fi), others will usually post how much “up” a station was that was worked.

W3ON	14038	GB13COL	22:58 05 Jul 22	WRKD UP 3-LAST ONE	England
K8TS-@	14038	GB13COL	22:56 05 Jul 22	QSB OR QSY NIL NOW	England
K1RBC-@	14038	GB13COL	22:48 05 Jul 22	ky7m he is working split up 2	England
N2FY-@	14038	GB13COL	22:45 05 Jul 22	still a mess, ppl still not UP	England
W4JL	14038	GB13COL	22:40 05 Jul 22	SPLIT UP 2! COM'ON READ!	England
W8NWG-@	14038	GB13COL	22:39 05 Jul 22	He's listening UP, dammit!	England
K4SUS	14038	GB13COL	22:36 05 Jul 22	wkd up 3 clean sweep SSB & CW	England
WB2WPM	14038	GB13COL	22:35 05 Jul 22	QSX 14041.00	England
N7WS	14038	GB13COL	22:24 05 Jul 22	PSE QSY 14.001 FEWER LIDS	England
K5SL	14037.8	GB13COL	22:18 05 Jul 22	up 2 1 min ago	England
W1LID-@	14038	GB13COL	22:14 05 Jul 22	LIDS!!!	England
K8TS-@	14038	GB13COL	22:13 05 Jul 22	HE IS SPLIT FOLKS!!!!	England
WD9Q-@	14038	GB13COL	22:12 05 Jul 22	UP 1	England
K4DRE-@	14038	GB13COL	22:10 05 Jul 22	HE'S RUNNING SPLIT	England
VF2TKH	14038	GB13COL	22:10 05 Jul 22	Tnx split 1 73 es GL	England

This means that because we don’t know by how much we need to be “up” at any given time, the signals will be spread out and will therefore be much easier to copy. And, nobody is interfering with the DX station, so we all can hear exactly when the next CQ is called.

To make things as efficient as possible, we also just send our own call once, and not the formal reply we do with “normal” QSOs (see above). This makes sure that as many hams as possible will be able to work this station.

Once you are done working a DX station, make sure to disable the split mode again, otherwise you will have a hard time making normal QSOs.

Some aspects of ham radio have rules that are not easy to figure out, and we cannot teach everything in our license classes. The best way to learn these things is with an Elmer: Let somebody guide you through the not so obvious parts of ham radio.

So, when it sounds like you are the only one calling a DX station, and they are never working you, but others are yelling “UP” at you, please move up. You don’t want to be a “LID”.

BTW: I did not participate in the CW yelling, I rather used the time to compose an email to the individual and explained what was going on.

MANY WIRELESS OPERATORS HERE

Amateur Association Has Forty Members.

ALL KEENLY INTERESTED

Pick Up Code Messages from German Warships and from Many Distant Points. Hope Soon to Reach Eiffel Tower in Paris

It came in faint staccato. Eugene Handler, of No. 924 St. Paul street, listened intently. "P—O—Z." There was a pause, and then again, "P—O—Z." And Handler knew that somewhere in the North Atlantic a wireless man on some German warship was endeavoring to establish communication with a friendly station. Click, click, click followed the code message. The Rochester amateur prophesied that it came from a converted German cruiser. The next day he read that the Prinz Eitel Friedrich had entered Newport News for repairs.

"British warships are sending code messages after the call of C—N right along," Handler explained at the meeting of the Rochester Wireless Association at the Y. M. C. A. Building Friday evening. "There seem to be four or five different ones about. One answers to the call of H—B."

Popular in Rochester.

There are about forty members of this association, which was established in April, 1913, and meets every two weeks for discussions of wireless, and there are said to be more than eighty amateur wireless stations in Rochester. West High School has an organization of twenty-five members and that many more are thinking of putting up aerials to indulge in this most fascinating of pastimes.

"Say, you wouldn't believe it," declared one boy, "but we have had messages from as far south as Colon, Panama, and as far west as Duluth. Every night we get the weather dispatches from Arlington, Virginia, and hear the press dispatches being sent from the station at Sayville, Long Island, to ships at sea."

"Sure," interrupted Handler, "I heard some dispatches from the New York Herald going out of Sayville at 3.30 o'clock this morning."

"You up then?" exclaimed the young man next to him.

"Must have been," acknowledged Handler. "It's a lot of fun."

"You know we talk with each other," chipped in another. "We play chess and checkers by wireless and make dates."

"The worst of it is there are no girl operators," complained Handler.

"There will be," his friend consoled. "Plenty of time."

From Distant Points.

These games and conversations are carried on with acquaintances made by wireless in Buffalo, Niagara Falls and other near-by points. It is, though, when the slider has been shoved to lengthen the wires on the aerial and intercept the longer Herizian waves that the amateur wireless telegraphers of the city are the happiest. These faint messages that float through the ether from Key West, Halifax, far-distant ocean liners or warships, or from the interior are suggestive of mystery, enigmas to be solved. They come in as rough diamonds to be polished to the intelligible by means of code books.

The government is now issuing licenses to wireless amateurs, probably to record the number of people engaged in the play. The members of the Rochester association have these and are shortly to ally themselves with the Amateurs' Relay League, an organization that is nation-wide, by means of which messages are relayed on and on, thus making it possible to send a wireless telegram to San Francisco.

Last Labor Day experiments with portable apparatus were made at Durand-Eastman Park. Soon, now, certain of the members intend to go out and send up kites equipped with receiving wires.

"The trouble is," said Handler, "they go so high that they collect all the loose electricity in the air and you are liable to get shocks below."

Apparatus in Rochester.

A. M. Lindsay, Jr., is said to have the most efficient wireless apparatus in the city. The aerials at Mechanics Institute are the largest. C. L. Van Hoesen, Cyril Staud, J. Simpson, C. L. Todd and Emil Blattner are others who have very good apparatus. The city has one commercial operator, Harry Denniston. Eugene Handler will shortly add an audio detector and amplifier to this equipment which will enable him to read messages from the far off Eiffel Tower.

While the wireless bug crept in from the outside world long ago, the real contagion started in 1912. The association of the city is officered as follows: President, C. L. Van Hoesen; vice-president, Cyril Staud; secretary, James Hewitt; treasurer, Irving Lusing; assistant secretary, Herbert Leader; radio inspector, Charles Morrison; assistant radio inspector, Lafayette Hunter.

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or

585-727-4731.

Pittsford area.



VE TEAM

Testing takes place on the 3rd Saturday September - April

Dates for 2022: 9/18, 10/15, 11/19, 12/17

Dates for 2023: 1/21, 2/18, 3/18, 4/15

Testing Location

RIT

Rochester Institute of Technology

Building 16 -Schmitt Interfaith Center

43.08402626755475, -77.6734520379509

- Easiest path is from Parking Lot D it can be accessed from West Jefferson Rd via Andrews Memorial Dr or Lowenthal Rd
- From parking lot D walk south up the ramp to the Schmitt Interfaith Center.
- Once inside there is an elevator over to your left or stairs in front of you. Go to the first floor and you will find the Skalny room.

Please Note: this room can not be accessed from the door under the bridge.

Pre-registration is required visit:

<https://hamstudy.org/sessions/14612/inperson> to find the latest session.

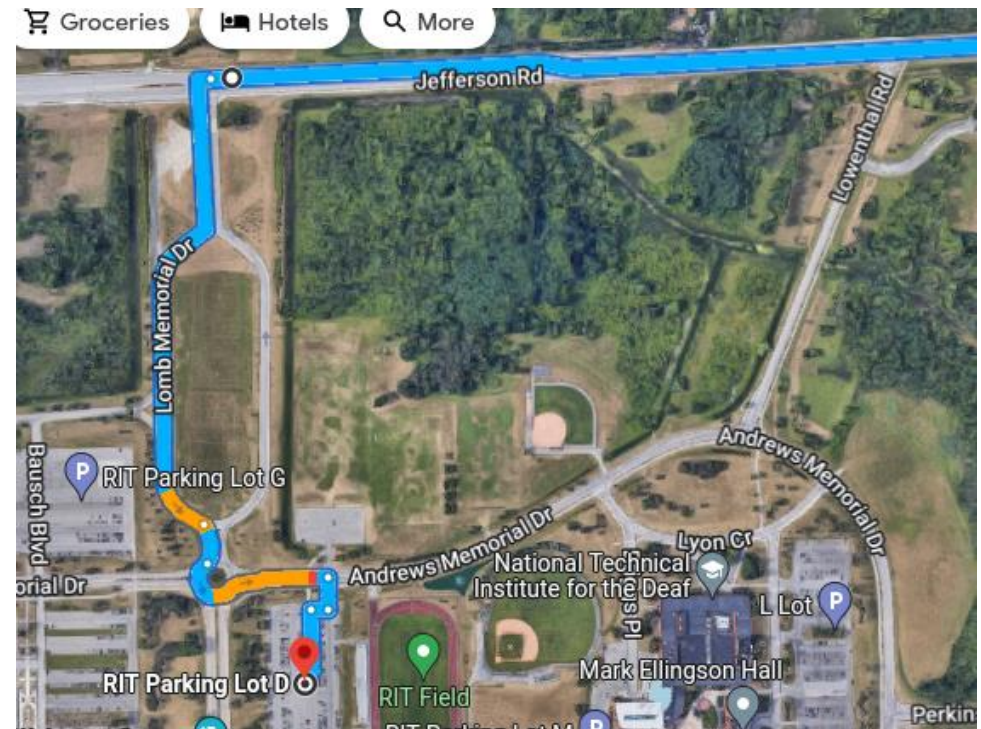
More information is available on the RARA website:

https://rochesterham.org/license_testing.htm

Applicants must supply their own pen, pencil, calculator

Testing begins at 10:00AM.

Also Note: The exam is free however the FCC now charges \$35 for applications. This fee is NOT paid to the VE team. It is paid directly to the FCC. You will receive an email from the FCC when your application is processed. We will also have an information sheet available



RaRa CALENDAR

TIM BARRETT, K9VB, MEMBERSHIP SECRETARY

August 2022						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB ICWC Medium Speed Test OK1WC Memorial WW Sideband Activity Contest ARS Spartan Sprint	2 RTTYOPS Weeksprint Phone Weekly Test	3 RaRa Monthly Mtg BSA & ONLINE 7pm ROC City Net ~3.830 MHz, 7 pm Walk for the Bacon QRP Contest A1 Club AWT CWOps Test	4 RARA BoD Mtg 6:30pm ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB Walk for the Bacon QRP Contest NRAU 10m Activity Contest RTTYOPS Weeksprint NCCC Sprints QRP Foxhunt SKCC Sprints Europe	5 K1USN Slow Speed Test	6 ROC City Net 28.405 MHz, 9:00p Ithaca Hamfest, Trumansurg Batavia FT8 Contest (Indonesia) 10-10 Summer Contest, SSB ARRL 222 MHz and Up NA QSO Party CW European HF Championship NRRL MGM Contest
7 Batavia FT8 Contest (Indonesia) 10-10 Summer Contest, SSB ARRL 222 MHz and Up NA QSO Party CW SARL HF Phone Contest NRRL MGM Contest	8 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB ICWC Medium Speed Test OK1WC Memorial WW Sideband Activity Contest	9 RTTYOPS Weeksprint Phone Weekly Test	10 ROC City Net ~3.830 MHz, 7 pm VHF-UHF FT8 Contest Walk for the Bacon QRP Contest A1 Club AWT CWOps Test	11 ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB EACW Meeting RTTYOPS Weeksprint NCCC Sprints QRP Foxhunt	12 K1USN Slow Speed Test	13 ROC City Net 28.405 MHz, 9:00p MS ROC the Ride (OCARC) WAE DX Contest, CW Keymans Club of Japan Conteste SARL Youth Sprint Kentucky State Parrrks On The Air Maryland-DC QSO Party 50 MHz Fall Sprint
14 WAE DX Contest, CW Keymans Club of Japan Conteste Maryland-DC QSO Party 50 MHz Fall Sprint	15 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB ICWC Medium Speed Test OK1WC Memorial WW Sideband Activity Contest	16 RTTYOPS Weeksprint Phone Weekly Test	17 ROC City Net ~3.830 MHz, 7 pm VHF-UHF FT8 Contest Walk for the Bacon QRP Contest A1 Club AWT CWOps Test	18 ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB Walk for the Bacon QRP Contest RTTYOPS Weeksprint NCCC Sprints QRP Foxhunt NTC QSO Party	19 K1USN Slow Speed Test	20 ROC City Net 28.405 MHz, 9:00p KLARA Hamfest, Howard NY LLW at Charlotte Lighthouse SARTG WW RTTY Contest ARRL 10GHz and Up Contest Russian District Award Contest Feld Hell Sprint NA QSO Party SSB CVA DX Contest, CW
21 SARTG WW RTTY Contest ARRL 10GHz and Up Contest Russian District Award Contest Feld Hell Sprint NA QSO Party SSB CVA DX Contest, CW SARL HF Digital Contest	22 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB ICWC Medium Speed Test OK1WC Memorial WW Sideband Activity Contest Run for the Bacon QRP Contest	23 RTTYOPS Weeksprint Phone Weekly Test	24 ROC City Net ~3.830 MHz, 7 pm A1 Club AWT CWOps Test	25 ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB RTTYOPS Weeksprint NCCC Sprints QRP Foxhunt	26 K1USN Slow Speed Test	27 ROC City Net 28.405 MHz, 9:00p ROC City Net Hamfest Macedon HI, OH, KS QSO Parties ALARA Contest WW Digi DX Contest YO DX HF Contest WVE Islands QSO Party CVA DX Contest, SSB
28 HI, OH, KS QSO Parties ALARA Contest WW Digi DX Contest YO DX HF Contest WVE Islands QSO Party CVA DX Contest, SSB SARL HF CW Contest	29 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB ICWC Medium Speed Test OK1WC Memorial WW Sideband Activity Contest	30 RTTYOPS Weeksprint Phone Weekly Test	31 ROC City Net ~3.830 MHz, 7 pm A1 Club AWT CWOps Test			

NEWS FROM AREA CLUBS

MONROE COUNTY ARES / RACES News

Monroe County Amateur Radio Emergency Service (ARES)® is an amateur radio public service organization based in Monroe County, New York, and is open to all licensed amateur radio operators. Monroe County Radio Amateur Civil Emergency Service (RACES) is a program of the Monroe County Office of Emergency Management. We participate in training and emergency exercises so that we can serve other agencies during times of communication failure.



The Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month except in July, August, November and December. Anyone interested, members and non-members, are welcome to attend.

Until further notice, our meetings are via Zoom. Please check our website for any schedule changes. Prospective members can request an invitation by email to: secretary@monroecountyemcomm.org.

Monroe County ARES/RACES meets on the air every Thursday of the month at 7:00 PM, on the N2MPE 146.61 MHz (-) 110.9 Hz PL and 444.45 MHz (+) 110.9 Hz PL repeaters. Our club callsign is WB2EOC.

There is no net on nights when we hold our regular meeting, generally on the 4th Thursday of the month.

WEB: www.monroecountyemcomm.org

Facebook: Monroe County Amateur Radio Emergency Service, Inc.

Twitter @MCARESNY

Severe Weather Alerts: Winter may bring severe weather in the form of heavy snow storms, strong winds, and flooding. If you experience severe weather, especially when accompanied by damage to property in your area, listen to your local ARES/RACES repeaters for information. While official ARES/RACES activation could be a possibility, it is more important that we open a spontaneous net simply to share information about weather conditions in your immediate area. Don't wait for someone else to do it. Pick up the microphone and start a net. Have each check-in station give you a situational awareness report and emergency power report. If you don't have a copy of the directed net protocol, you can find one at the WEB address listed above. (Activities/ARES Net/ Net Script/ Downloads). We encourage all amateur radio operators to take a free Skywarn TM class offered by the National Weather Service. The schedule of classes can be found at <https://www.weather.gov/buf/skywarn>

Monroe County ARES
George Adams IV, Net Control - cq@k4gwa.net

ROCHESTER DX ASSOCIATION, RDXA

There is no August meeting. Meetings will resume in September.



Please check our website for up-to-date information regarding meeting locations and requirements, if any.

All are welcome.

Check our web site: www.rdxa.com.

ROCHESTER RADIO REPEATER ASSOCIATION

The Rochester Radio Repeater Association (RRRA) is on summer hiatus and will not be having its regular meetings for July and August. Our next meeting will be on September 16th.

Stay tuned to our web site, www.k2rra.org for current information. for information. The current officers for August are Bob Shewell (N2HJD), President; Bob Odell (N2BZX), Vice President; and Bob Smith (NS2B), Treasurer & Membership Chairman. RRRA also accepts donations to the club. If you are not currently a member and want to support RRRA, you can join at our monthly meeting or on our [website](#) using PayPal.

XXR AMATEUR RADIO CLUB

The XXR Amateur Radio Club is not having in-person meetings at this time. We are having online meetings usually on the second Thursday of the months Sept-June. Get the latest updates at <http://xarc.us>

ROCHESTER VHF GROUP

You are invited to join us on-line & on-the-air! We're here to help you to use the license that you worked so hard to get.



Check out what we do by visiting our website at <http://RVHFG.org> to start.

Join our e-mail group by sending a message to RVHFG+subscribe@groups.io.

Join our weekly on-the-air nets on SSB:
2 meter band - Monday 9 PM 144.260 USB
6 meter band - Thursday 9 PM 50.200 USB

No VHF SSB radio (yet) to join the nets?
Log-in to Echolink ka2ene-L #23426

We can help to answer the question, "What radio should I buy?" Here's a list of HF+++ radios, those with the HF bands and at least three VHF bands, giving you access to all sorts of VHF fun. Research each one to see which serves you best. Ask questions on our email list. We're here to help!

Yaesu FT-100D	Yaesu FT-817	Yaesu FT-818
Yaesu FT-847	Yaesu FT-857	Yaesu FT-897
Icom IC-706MKIIG	Icom IC-7000	Icom IC-7100
Icom IC-9100	Kenwood TS-2000	

Some are older models and some are newer models, but all provide access to the 6 meter, 2 meter, and 70 centimeter bands using both traditional FM and the exciting narrow-band SSB mode that supports unexpectedly long-distance (100's of km's routinely and 1,000's of km occasionally) VHF communication. These are good all-around radios no matter what club you end up affiliating with later. We hope its us.

AMATEUR RADIO ASSOCIATION OF THE SOUTHERN TIER, ARAST

Currently, ARAST meets the third Thursday of every month at the Emergency Communications Center on Harris Hill in Big Flats, next to the National Soaring Museum. Our Chemung County ARES (CCARES) organization meets the first Tuesday of the month except February at the same location. Both organizations serve amateurs in Chemung, Steuben and Schuyler counties in New York and Bradford and Tioga counties in Pennsylvania. All are welcome to attend our meetings.

NOTE: Both CCARES and ARAST monthly meetings are now being held both in person and online. Check out the Upcoming Events at our website, www.arast.info, for the latest details.

Once again, we will be holding the Elmira Hamfest on September 24 of this year. Advance tickets may be purchased online at http://www.arast.info/arast_website/public/hamfest.php and they will be mailed out early in September.

Don't forget to check out our repeaters when you visit the area. N3AQ 147.36(+) and the W2ZJ 146.70(-) are the principal 2-meter repeaters. The latter can also be accessed via Echolink node 574415 with the call sign KD2QND-R. A full list of repeaters that can be heard in the Twin Tiers area surrounding Chemung County can be found at http://www.arast.info/arast_website/public/repeaters.php.

We also invite you to check out our new 6-meter net on Wednesday evenings at 9 p.m. local time on 50.200 MHz USB. The net usually lasts approximately one hour. Operators are encouraged to check in and participate in the round table discussions or simply stop by from time to time. Topics are wide-reaching and are not confined to 6 meters--although discussions tend to center around 6-meter equipment, antennas, propagation, latest band openings and grid squares worked, as well as AM, FM and FT-8 use of the 6-meter band. We would welcome more participation from the western part of our area.

COMMUNITY AMATEUR RADIO CLUB, CARC

If you are interested in being a part of this forward thinking and active club, visit us at a meeting or join us on one of our weekly nets. We meet at the Hoag Library (134 S. Main St. Albion, NY) on the first Saturday of each month at 7PM. Each meeting has a brief training/refresher period with upcoming topics including: net protocol, repeater set-up/maintenance, and digital signaling. The club holds a net every Sunday evening at 8pm (winter) and 9PM (summer) - 0100 UTC Monday - on 147.585 simplex, and we host the Thursday Night Social Net, Thursday at 8:30PM on 147.285+. We'd love to hear you check-in!

DIGITAL COMMUNICATIONS ASSOCIATION OF PERINTON, DCAP

DCAP members continue to experiment with leading edge digital communication modes. We were formed in 1994 to foster the development of local and regional packet radio networks using AX25 and TCP/IP. Today we have members using the club sponsored DSTAR repeater (KB2VZS on 444.8MHz), several personal and publicly accessible DSTAR hotspots, Yaesu System Fusion systems on non-club repeaters and DMR systems through repeaters and personal hotspots. DCAP members meet for breakfast at 7AM nearly every Saturday morning at Rikki's Family Restaurant in the village of Fairport and everyone is welcome to join us. Talk in is on the KB2VZS analog repeater on 146.715MHz with a PL tone of 110.9Hz.

DRUMLINS AMATEUR RADIO CLUB

The Drumlins Amateur Radio Club meets every third Wednesday of the month at 7:30 PM at the Wayne County EMO/Sheriff's Office 7376 State Hwy 31 #1000, Lyons, NY 14489. Doors open at 7 pm, meeting starts at 7:30 pm. Announcements will be made on the 146.685 repeater. The Drumlins ARC website address is <http://drumlinsarc.us/>

KEUKA LAKE AMATEUR RADIO ASSOCIATION, KLARA

The Keuka Lake Amateur Radio Association had a great Field Day at the Hammondsport Fire Station, with many visitors and some new members—plus some interested in getting their license. Our next project is the Steuben County Fair August 15-21 in Bath, NY. We share a booth with Steuben County Emergency Services and the American Red Cross. Our hamfest is August 20th and we are getting very excited! We have new sponsors and some great door prizes. Come join the fun!

ORLEANS COUNTY AMATEUR RADIO CLUB

The Orleans County ARC meets every 2nd Monday of the month at the Orleans County Emergency Operations Center, 14064 West County House Road, Albion, NY 14411. Doors open at 6:00PM, meeting starts at 7:30PM. Anyone with an interest in amateur radio is welcome. Program topics vary from month to month.

The club has an open two-meter net every Tuesday night at 9:00PM local time on the club repeater, WA2DQL/R (145.27 -600KHz offset, 141.3 tone). Everyone is welcome to check in.

See the club website <http://ocarc.us> or contact club Secretary Ron Craig, N5BNO for more information.

SKENOH ISLAND AMATEUR RADIO CLUB, SIARC

The Skenoh Island Amateur Radio Club meets every second Wednesday of the month at 7:30PM at the Ontario County Safety Training Facility, 2914 County Road 48, Town of Hopewell. We have License Exam Testing every other month which begins at 6:30PM. There will not be a meeting in August. The next meeting will be in September on Wednesday September 14th. This meeting will be for election of Club Officers. There will not be License Testing at this meeting.

SIARC is also holding a Health and Welfare NET Monday through Friday each week at 2000 hours on the SIARC 146.820 repeater (located in Canandaigua, NY), Tone 110.9. This net is to pass along general information and keep hams in touch. All hams are invited to participate

Check the SIARC website for updates. <http://www.siarc.us/>

THE AMATEUR'S CODE

Originally written by Paul M. Segal, W9EEA (1928)

THE RADIO AMATEUR IS:

CONSIDERATE	Never knowingly operating in such a way as to lessen the pleasure of others.
LOYAL	Offering loyalty, encouragement and support to other amateurs, local club, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.
PROGRESSIVE	With knowledge abreast of science, a well built and efficient station and operation beyond reproach.
FRIENDLY	With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.
BALANCED	Radio is an avocation, never interfering with duties owed to family, job, school or community.
PATRIOTIC	With station and skill always ready for service to country and community.

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HAM RADIO DELUXE



www.arrl.org



<https://elecraft.com/>

QRP Quarterly

QRP Amateur Radio Club
International

www.qrparci.org



www.tigertronics.com



<https://heilhamradio.com/>



www.mfjenterprises.com



www.n3fjp.com

ALPHA ANTENNA

<https://alphaantenna.com/>



<https://www.buddipole.com/>



<https://cometantenna.com/>



[https://
www.easywayhambooks.co
m/index.cfm](https://www.easywayhambooks.com/index.cfm)

RARA OFFICERS, DIRECTORS AND COORDINATORS

OFFICERS

President: Tim Barrett, K9VB	(646) 496-5015	president@rochesterham.org	Treasurer: Mike Moore, KC2NM	(585) 721-0011	treasurer@rochesterham.org
Vice-President: Scott Theis, W2LW	(845) 774-9809	vicepresident@rochesterham.org	Secretary: Karl Heinz Kremer, K5KHK	(585) 210-0840	secretary@rochesterham.org

DIRECTORS

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Tim Guyot, KB1POP	(585) 406-3163	timguyot@gmail.com			

ACTIVITY COORDINATORS

Club Historian	Ed Gable, K2MP	egable@rochester.rr.com	Public Service	Mike Moore, KC2NM	publicservice@rochesterham.org
Club Station Trustee	Dave Enright, K3WHD	denright1228@gmail.com	QSL MANAGER	Dave Enright, K3WHD	denright1228@gmail.com
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SEPTEMBER RAG DEADLINE
AUGUST 15, 2022

RARA MEETS AT 7PM ON THE FIRST
WEDNESDAY OF EACH MONTH.

JOIN US IN PERSON
OR
ONLINE AT:

<https://attendee.gotowebinar.com/register/6087229947811886606>

CONTACT WEBMASTER@ROCHESTERHAM.ORG FOR SUPPORT

Rochester Area Repeater Listing
THE RARA RAG

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MARK YOUR CALENDARS FOR THE: 2022 AWA Conference October 4 thru 8, 2022



RIT Inn and Conference Center - 5257 West Henrietta Road - Henrietta, NY 14467

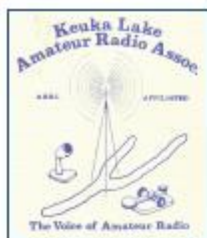
- Dual themes: "100 Years of Car Radios" and "Evolution of Audio"
- **Free* access for buyers and sellers - Thursday 10/6 & Friday 10/7 to the AWA Communication & Electronic Equipment Flea Market**
 - Equipment auction on Saturday 10/8
 - Book mart
 - Over a dozen outstanding presentations
 - Equipment contest
- Admission to the Antique Wireless Museum is free Wednesday October 5th

***You do not need to register for the conference to buy or sell at the flea market.** Conference registration: includes the free dessert social on Wednesday evening October 5th, this year's registration also includes your free Friday night banquet dinner and includes equipment auction bidder's card. As always, registration for your spouse or significant other is free. You do not need to be an AWA member to attend.

For complete details: <https://www.antiquewireless.org/homepage/annual-conference/>



**ARRL
SANCTIONED
EVENT**



14th Annual
Keuka Lake Amateur Radio Association
HAMFEST

Saturday, August 20, 2022 Howard, NY

Just off I-86 at Exit 35

follow signs to the Howard Community Center

Special instructions for GPS users:

Some GPS systems will recognize 7481 Hopkins Rd., Howard, NY.
Since Howard, NY does not have a post office or ZIP Code,
some GPS systems will require 7481 Hopkins Rd., Avoca, NY 14809.
Or use coordinates 42.3618,-77.510.



Talk-In
on the KLARA
Repeater System

145.190 — Bath, NY
147.045 + Arkport, NY
147.330 + Cameron, NY
PL 110.9

**Admission
and
Breakfast**

\$5.00 admission includes
one outdoor flea market
space or one indoor table
space. Also available is a
full breakfast with eggs and
pancakes.
Never ending coffee!

Hamfest Schedule

7:00 Vendor Admission
7:30 Open to the Public
8:00 Breakfast Begins
8:30 1st Door Prize Drawing
9:00 2nd Door Prize Drawing
9:30 3rd Door Prize Drawing
10:00 4th Door Prize Drawing
10:00 VE Testing
10:30 5th Door Prize Drawing
11:00 50-50 Drawing and
More Door Prizes

Must be present to win



Friday Night Camping

Join us for free on-site overnight camping.
Self contained camping units only.
No electric. No water.
Yes, an enjoyable evening with very friendly hams.

Campers Must RSVP
keukalakeara@gmail.com



KLARA/ARRL Testing

10:00am - a perfect time
to get your Ham Radio License
or upgrade to General or Extra

Visit us on Facebook:
Keuka Lake Amateur Radio Association
Visit us on the web:
klara.us
Contact us at:
keukalakeara@gmail.com

**Door Prize
Sponsors**

**ARRL • Ham Radio Outlet • N3FJP Software
DX Engineering**

As of 7/12/22